

What is claims is:

1. A method for configuring at least a portion of a document for display in a display environment, the method including:
5 generating a document color palette for all or a portion of an electronic document, the colors of the document color palette being selected based on colors of a plurality of color containing objects in the document or portion thereof ; and
 generating a plurality of views of the document, two or more of the views being based on different color palettes, the plurality of views including a
10 document view including each of the plurality of color containing objects, each color containing object in the document view being represented using the document color palette.
2. The method of claim 1, further comprising:
15 associating the document color palette with the document or document portion.
3. The method of claim 1, wherein:
 generating the document color palette includes selecting a set of colors based
20 on selection factors and colors in the plurality of color containing objects.
4. The method of claim 3, wherein:
 the selection factors include at least one of most used colors in the plurality of color containing objects, colors common to the plurality of objects , and a set of
25 substitutable colors.

5. The method of claim 1, wherein generating a document color palette includes:
creating a bitmap of the document or portion thereof; and
reducing the colors of the bitmap to generate the document color palette.
- 5 6. The method of claim 5, wherein:
reducing the number of colors of the bitmap includes selecting a subset of
colors of the bitmap, the subset being selected based on the number of colors
supported in the display environment.
- 10 7. The method of claim 6, wherein the bitmap includes N colors and the subset of
colors includes M colors, where $M < N$.
8. The method of claim 1, further comprising:
rendering the document or document portion in the display environment using
15 the document view.
9. The method of claim 1, wherein the objects include at least one graphics object
and at least one text object, each text object including one or more characters of
text.
- 20 10. The method of claim 1, generating a plurality of views of the document includes :
generating an object view of one or more of the plurality of graphics objects
in an electronic document, each object view being based on a corresponding
object color palette of the corresponding graphics object, each object color
25 palette including a set of colors optimized for the corresponding graphics object.

11. The method of claim 10, further comprising:
generating an object color palette for each of the one or more of the plurality
of graphics objects.
- 5 12. The method of claim 10, further comprising:
storing the object views in the electronic document, each object view being
associated with a corresponding document view.
- 10 13. The method of claim 1, wherein the plurality of views includes two different
document views, each document view based on a different document color
palette.
- 15 14. A method for rendering an image in a display environment, the method including:
receiving an electronic document including multiple views for each of a
plurality of graphics objects of the electronic document, a first view for each
graphics object being based on a color palette for the graphics object and the
second view for each graphics object being based on a document color palette for
an associated portion of the electronic document; and
rendering the portion of the electronic document according to the second view
20 of each of the plurality of graphics objects.
- 25 15. The method of claim 14, further comprising:
receiving input selecting a graphics object in the electronic document; and
rendering the selected graphics object according to the first view of the
selected graphics object.

16. The method of claim 14, wherein the portion of the electronic document includes at least one text object, each text object including one or more characters of text and associated color content, the method further comprising:
rendering the at least one text object using the document color palette for the
5 portion of the electronic document.
17. A method for configuring at least a portion of a document for display in a display environment, the method including:
receiving an electronic document including multiple graphics objects; and
10 generating a display document including multiple views of each of the multiple graphics objects, each view of the multiple views based on a different color palette and representing a different portion of the electronic document.
18. A computer program product, tangibly stored on a computer-readable medium,
15 for configuring at least a portion of a document for displaying in a display environment, the product comprising instructions operable to cause a computer system to:
generate a document color palette for all or a portion of an electronic
document, the colors of the document color palette being selected based on colors
20 of a plurality of color containing objects in the document or portion thereof ; and
generate a plurality of views of the document, two or more of the views being based on different color palettes, the plurality of views including a document view including each of the plurality of color containing objects, each color containing object in the document view being represented using the document color palette.
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19. The computer program product of claim 18, further comprising instructions operable to cause a computer system to:
associate the document color palette with the document or document portion.

20. The computer program product of claim 18, wherein the instructions operable to cause a computer system to generate the document color palette include instructions operable to cause a computer system to:
- select a set of colors based on selection factors and colors in the plurality of color containing objects.
21. The computer program product of claim 20, wherein:
- the selection factors include at least one of most used colors in the plurality of color containing objects, colors common to the plurality of objects , and a set of substitutable colors.
22. The computer program product of claim 18, wherein the instructions operable to cause a computer system to generate a document color palette include instructions operable to cause a computer system to:
- create a bitmap of the document or portion thereof; and
- reduce the colors of the bitmap to generate the document color palette.
23. The computer program product of claim 22, wherein instructions operable to cause a computer system to reduce the number of colors of the bitmap include instructions operable to cause a computer system to:
- select a subset of colors of the bitmap, the subset being selected based on the number of colors supported in the display environment.
24. The computer program product of 23, wherein the bitmap includes N colors and the subset of colors includes M colors, where $M < N$.

25. The computer program product of claim 18, further comprising instructions operable to cause a computer system to:
- render the document or document portion in the display environment using the document view.
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26. The computer program product of claim 18, wherein the objects include at least one graphics object and at least one text object, each text object including one or more characters of text.
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27. The computer program product of claim 18, wherein the instructions operable to cause a computer system to generate a plurality of views of the document include instructions operable to cause a computer system to:
- generate an object view of one or more of the plurality of graphics objects in an electronic document, each object view being based on a corresponding object color palette of the corresponding graphics object, each object color palette including a set of colors optimized for the corresponding graphics object.
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28. The computer program product of claim 27, further comprising instructions operable to cause a computer system to:
- generate an object color palette for each of the one or more of the plurality of graphics objects.
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29. The computer program product of claim 27, further comprising instructions operable to cause a computer system to:
- store the object views in the electronic document, each object view being associated with a corresponding document view.
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30. The computer program product of claim 18, wherein the plurality of views includes two different document views, each document view based on a different document color palette.

5 31. A computer program product, tangibly stored on a computer-readable medium, for configuring at least a portion of a document for displaying in a display environment, the product comprising instructions operable to cause a computer system to:

10 receive an electronic document including multiple views for each of a plurality of graphics objects of the electronic document, a first view for each graphics object being based on a color palette for the graphics object and the second view for each graphics object being based on a document color palette for an associated portion of the electronic document; and

15 render the portion of the electronic document according to the second view of each of the plurality of graphics objects.

32. The computer program product of claim 31, further comprising instructions operable to cause a computer system to:

20 receive input selecting a graphics object in the electronic document; and
render the selected graphics object according to the first view of the selected graphics object.

25 33. The computer program product of claim 31, wherein the portion of the electronic document includes at least one text object, each text object including one or more characters of text and associated color content, the computer program product further comprising instructions operable to cause a computer system to:

render the at least one text object using the document color palette for the portion of the electronic document.

34. A computer program product, tangibly stored on a computer-readable medium, for configuring at least a portion of a document for displaying in a display environment, the product comprising instructions operable to cause a computer system to:

5 receive an electronic document including multiple graphics objects; and
 generate a display document including multiple views of each of the multiple graphics objects, each view of the multiple views based on a different color palette and representing a different portion of the electronic document.

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